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Faculty of Science at Glance

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Faculty of Science is one of the pioneer faculties established in 1981, under the Batticaloa University College.

Vision
To be a National Centre of excellent for higher learning and research with the competitive advantage, responsive to the dynamics of the regional, national and global conditions.

Mission
To be a National Centre for Excellent in teaching and research. Our teaching and research are geared to regional and national needs.

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Mrs S Sathaananthan
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Dr P Peratheepan
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Prof P Vinobaba
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Degree Programme offered 2018
BSc (General) – Botany, Chemistry, Computer Science, Mathematics, Physics and Zoology
Master of Science – Science Education, Environmental Sciences
Master of Philosophy (MPhil)
Doctor of Philosophy (PhD)

Diploma: Laboratory Technology

Students Population 2018

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<tr>
<th>Year</th>
<th>Bio Science</th>
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<th>Physical Science</th>
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<td>Female</td>
<td>Total</td>
<td>Male</td>
<td>Female</td>
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<tr>
<td>Year 1</td>
<td>22</td>
<td>57</td>
<td>79</td>
<td>61</td>
<td>56</td>
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<td>(2016/2017)</td>
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<td>30</td>
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<td>(2015/2016)</td>
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<td>Year 3</td>
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<td>07</td>
<td>14</td>
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<tr>
<td>(Special)</td>
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<td>160</td>
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<td>128</td>
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Source: Dean, Science 2018

Academic Strength 2018: Highest Qualification

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<th>Status</th>
<th>PhD</th>
<th>MPhil</th>
<th>MSc</th>
<th>BSc (Hons)</th>
<th>Botany</th>
<th>Chemistry</th>
<th>Mathematics</th>
<th>Physics</th>
<th>Zoology</th>
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<td>-</td>
<td>-</td>
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<td>04</td>
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<td>01</td>
<td>02</td>
<td>02</td>
<td>09</td>
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Journal of Science (JSc) – Double blind, refereed journal, Print ISSN: 1391-586x, E-ISSN: 2602-9030. The journal will be published biannually (March and September), and Open access. http://www.fsc.esn.ac.lk/JSC/index.html

Blossom – An annual publication by the Faculty Students Union.

FOSnews Newsletter – A biannual publication by the Faculty
Department of Mathematics

Dr. T. Ealasukanthan has been appointed as Senior Lecturer (Gr. II) in Mathematics, Department of Mathematics with effect from 05.09.2018. 

Research interest: Mathematical Biology & Medicine, Biological Waves & Pattern Formation

Department of Chemistry

Dr. S Arasaretnam has been appointed as Director/Staff Development Centre (SDC), EUSL with effect from November 2018 to November 2019.

Department of Botany

Mrs. K. Kaveevendan has been appointed as Lecturer (Prob.) in Botany, Department of Botany with effect from 05.02.2018.

Department of Zoology

Ms. W. M. Lakshani Sewwandi Weerasekara has been appointed as Lecturer (Prob.) in Zoology, Department of Zoology with effect from 20.08.2018.

Senior Professor P Vinobaba has been appointed as the President of the Ethical Review Committee (ERC), Eastern University, Sri Lanka.

Department of Physics

Dr. Q Y Saundararajah has been appointed as Director/Centre for External Degree and Extension Courses (CEDEC), EUSL with effect from November 2018 to November 2019.

Department of Computer Science

Dr. T. Mathiventhan has been appointed as the Secretary of the Ethical Review Committee (ERC), Eastern University, Sri Lanka.

Mrs. S. Partheepan has been appointed as Lecturer (Prob.) in Computer Science, Department of Mathematics with effect from 02.07.2018.

Miss. V. Thushika has been appointed as Lecturer (Prob.) in Computer Science, Department of Mathematics with effect from 02.07.2018.
Promotions:

Prof. T. Jayasingam has been promoted to Senior Professor of Botany, Department of Botany with effect from 31.05.2017

Prof. P. Vinobaba has been promoted to Senior Professor in Zoology, Department of Zoology with effect from 22.09.2017

Dr. F. C. Ragel has been promoted to Professor of Physics, Department of Physics with effect from 21.12.2017

Mrs. S. Sathaananthan has been promoted to Senior Lecturer Gr. I in Mathematics, Department of Mathematics with effect from 01.02.2017

Mr. K. A. N. K. Karunarathna has been promoted to Senior Lecturer Gr. II in Statistics, Department of Mathematics with effect from 27.09.2017

Dr. P. Rodney Fernando has been promoted to Senior Lecturer Gr. II in Physics, Department of Physics with effect from 19.03.2018

Awards:

The Faculty of Science submitted the proposal for ELTA-ELSE grants under Accelerating Higher Education Expansion and Development (AHEAD) for the year 2019-2021.

Professor S. Thirukkanesh, Department of Mathematics, received National Research Council Investigator Driven Grants 2018 for a research entitled “Modeling and description of compact astrophysical objects using Einstein’s field equations”.

Professor F.C Ragel, Department of Physics, is a co-investigator for the research.

M. Harris and Snr. Prof. Vinobaba received NRC merit award for Scientific Publication given by National Research Council.

Postgraduate studies at the Faculty – by Research

Research Title: Spatial distribution and Carbon storage potential of salt marsh vegetation in the Northern Province, Sri Lanka
Degree: MPhil (leading to PhD)
Supervisors: Senior Professor T Jayasingam and Dr T Mathiventhan, Department of Botany

Research Title: Spatial distribution, temporal dynamics and species distribution modelling for shrub vegetation in Batticaloa district, Sri Lanka
Degree: MPhil (leading to PhD)
Supervisors: Senior Professor T Jayasingam and Dr T Mathiventhan, Department of Botany

Research Title: Modeling and description of compact astrophysical objects using Einstein’s field equations
Degree: MPhil
Supervisors: Professor S Thirukkanesh, Department of Mathematics and Professor F C Ragel, Department of Physics

Research Title: Influence of gender on level of heavy metals (pb, hg, zn, as, cd and sn) in the tissue of selected edible estuarine fish and shellfish species in Batticaloa lagoon during dry weather condition
Degree: PhD
Supervisors: Senior Professor P Vinobaba, Department of Zoology
Research Articles


Symposiums/ Conferences


Research Articles


Symposia/Conferences


Book


Research Articles


Mathematics / Statistics

Research Articles


Symposiums/ Conferences


Physics

Research Articles


Flash News

Prof F C Ragel has been appointed as the ninth Vice-Chancellor of the Eastern University, Sri Lanka (from February 2019) who is from the Department of Physics, Faculty of Science...Congratulations!...

Senior Professor T Jayasingam is the FIRST Vice-Chancellor returned to the department (Dep. of Botany, Faculty of Science) after the completion of his tenure as the Vice-Chancellor.
Dr. (Mrs.) C. Mahendranathan was an invited speaker at the International Conference on "Nanotechnology for Human Welfare (CNHW-2018)", Harribhai V. Desai College, Pune, Maharashtra, India, 1-3, February 2018.

Dr. (Mrs.) C. Mahendranathan participated as an invited speaker at the International Conference on "Microbial Technology for Better Tomorrow (ICMTBT-2018)". Dr. D. Y. Patil, New Arts, Commerce and Science College, Pune, Maharashtra, India, held from 17-19, February 2018.

Dr. (Mrs.) C. Mahendranathan delivered guest lectures for the PG students in Microbiology at the "Changu Kana Thakur New Arts, Commerce and Science College, New Panvel, Pune, India and at the "Karmaveer Bhaurao Patil College", Mumbai, India, during her visit to India.

Mrs. C. G. Devadasan and Dr. T. Ealasukanthan from Faculty of Science participated in a workshop titled "Development and Exchange of Knowledge on Robotics and Automation Applied to Fisheries and Aquaculture", a joint workshop organized by India and Sri Lanka.

The workshop has been organized in Sona College of Technology, Selam, Tamil Nadu during December 04 – 08, 2018.

Dr. (Mrs.) C. Mahendranathan was an invited speaker at 7th International Conference on "Innovations in Physical, Chemical and Life Sciences” held at the New Arts, Commerce and Science College, Parner, Ahmednagar, Pune, India, organized by the Department of Physics and Research Centre in collaboration with Savitribai Phule Pune University, Pune from 27th to 28th, December, 2018.

Dr. (Mrs.) C. Mahendranathan delivered a Guest Lecture to the M.Sc. Students in Microbiology at S.M. Joshi College, Hadapsar, Pune-28, India on 28.12.2018

Mr. J M Harris participated a training workshop on “Greenhouse Gas Inventory system – 2018” organized by UNOSD in cooperation with the Korea Environment Corporation (K-eco) and Thailand Greenhouse Gas Management Organization (TGO).

The workshop was held during 10–13 September 2018 at the UNESCAP, The United Nations Building, Bangkok, Thailand.
The Community Outreach Science Unit (COSU) is newly established at the Faculty of Science in the Eastern University, Sri Lanka as a unit with the objective to disseminate knowledge in Science and Technology and to promote the quality of life of people (social and emotional well-being activities) in the regional community as a whole with the support of national and international universities and organizations.

April 2, 2018: Building awareness of science education and of attitude development to school students

(i) A workshop was conducted by Dr. M. Sithambaresan at Carmel Fatima College, Kalmunai on “The real nature of human mind and attitude development” for all the A/L students of all streams.
(ii) A lecture on “poor performance of A/L students in Chemistry examinations” for the science A/L students of the school. This is to provide better understanding of life and education with positive attitude and philanthropic interest.

May 2, 2018: Seminar on the importance of education and proper learning methods

A seminar was done by Dr. M. Sithambaresan at Paddiruppu National School, Kaluvanchikudy on “the importance of education and proper learning methods” to the new A/L students, their parents and teachers to promote learning of students.

May 10, 2018: Seminar on the importance of education and proper learning methods

A seminar was done by Dr. M. Sithambaresan at Central College, Chenkalady on “the importance of education and proper learning methods” to A/L science students (2018 batch).
A discussion was done with the students on “common errors made by the students in A/L chemistry examinations”, in order to enhance their performance in chemistry examinations.

Several practical demonstrations were organized for A/L students from different schools
Staff contributions outside the university

1. **Senior Professor P Vinobaba, Dr S Arasaretnam and Dr P Ilango** act as Programme reviewer in University Level for 2018 under Quality Assurance Council of the UGC (QAAC), University Grants Commission, Ministry of Higher Education and Highways.

2. **Dr T Mathiventhan, Dr Mrs C Mahendranathan, Dr S Arasaretnam and Dr P Ilango** act as Proposal evaluator for Department/Unit-level ELTA-ELSE DPs under Accelerating Higher Education Expansion and Development (AHEAD) Operation to Universities and Higher Education Institutions, University Grants Commission, Ministry of Higher Education and Highways.

3. **Dr. (Mrs.) C. Mahendranathan** has become the Charter member of the Sri Lanka National Chapter of “Organization for Women in Science for the Developing World (OWSD)”, Inaugurated by the OWSD on 29th March, 2018 at the Hilton Residence, Colombo, Sri Lanka.

4. **Dr T Mathiventhan** has become the Life member of Institute of Biology (IOB), Sri Lanka.

5. **Dr T Mathiventhan** has become the Panel member for developing “Guidelines for mangrove restoration and replantation”. Ministry of Mahaweli Development and Environment, Sri Lanka.

Ceremonial Opening of Molecular Biology Lab

Ceremonial opening of molecular biotechnology laboratory was held at the Department of Zoology on the Faculty Day, 1 October 2018.

Students’ Community outreach programme – “Sip Sayura” Educational Programme

“Sip Sayura” educational program was launched for the Rural schools in the Ampara District, by the students, Faculty of Science, Eastern University Sri Lanka, on 6th and 7th of October (Photograph credited by Eastern Waves).
Faculty Day Celebrations 2018 – Soft Ball Cricket Match (Staff and Students)
Interfaculty Sports meet 2018

Photographs credited by Eastern Waves, EUSL
Faculty of Science at Eastern University, Sri Lanka (EUSL) has established a reputation for over last 37 years to impart fundamentals of different branches of pure sciences, and has shown interest in maintaining high academic standards.

The faculty, while being committed to the above philosophy, is transforming to meet the modern educational practices and trends by introducing innovative teaching, learning and evaluation strategies, students centered learning (SCL) with the goal of producing graduates with knowledge, skills and attitude to adapt to a range of professional and social environments to work with a concern and passion towards others. The faculty provides a conducive intellectual, social and physical environment in which learning and research may flourish. Apart from undergraduate BSc degree programs, the faculty has been conducting research degree programs (MSc, MPhil and PhD) and taught postgraduate degrees.

Faculty of Science is now engaging in research and development. In future, it focuses on Engineering Technology under the Technological stream, new postgraduate programme (Diploma and Degree) and community outreach programme.

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Eastern University, Sri Lanka (EUSL)
2018
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From the Editor...
Welcome to FOSnews Newsletter,

It is with great pleasure to publish the THIRD volume of the newsletter of the Faculty of Science. The FOSnews will be published every six months and will continue to be a vehicle to reconnoiter the activities or achievements of the Faculty of Science. The Volume 3, Issue 1 & 2 is now on your hands, which is published as one.

I would like to sincerely appreciate the Dean/Science, Heads of the Department and Dear colleagues, to give me fullest support to publishing the third volume of FOSnews.
I hope that you will enjoy reading this issue. The Volume 4, Issue 1 will be published in June 2019.

Dr T Mathiventhan
The Editor | FOSnews Newsletter.